



Pall Hollow Fiber Filtration Systems

Pall Filter Systems; Built for Today, Designed for Tomorrow

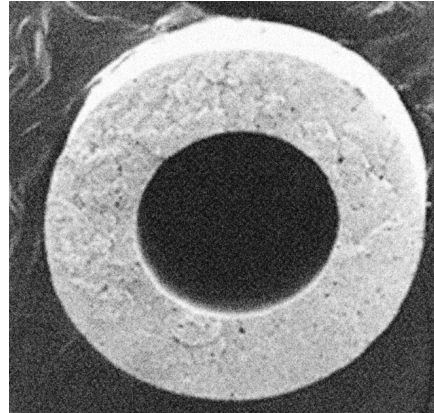
Introduction

Microza* Hollow Fiber Membrane Systems are designed to integrate with existing infrastructure or as a new, stand-alone infrastructure package.

Features of Microza Hollow Fiber Systems:

- High Recovery
- Small Footprint
- Simple Operation
- Modular in Design

The water and wastewater professional can count on Pall performance to meet the treatment challenges of today and tomorrow.



Microfiltration hollow fiber photomicrograph



Pall Hollow Fiber Filtration System

Microza Hollow Fiber Modules Are:

- Mechanically Strong
- Oxidant Resistant
- Highly Permeable
- Available in MF and UF Grades

Microza Filtration Systems: Protect Drinking Water

Stop:

- *Cryptosporidium*
- *Giardia Lamblia*
- Virus
- Bacteria

Remove:

- Iron (Oxidized)
- Manganese (Oxidized)
- Organics
- THM precursors

Reduce / Eliminate:

- Flocculant Addition
- Coagulant Addition
- Disinfection Chemical

Guard:

- Reverse Osmosis
- Nanofiltration
- Distribution



Pall module cut-away showing hollow fiber membranes

Microza* Filtration Module Specification

Dimensions	Microfilter	Ultrafilter
Membrane I.D., inches (mm)	0.027 (0.7)	0.031 (0.8)
Membrane O.D., inches (mm)	0.051 (1.3)	0.055 (1.4)
Membrane Area, ft ² (m ²), based on fiber o.d.	538 (50)	441 (41)
Membrane Length, inches (m)	80 (2)	80 (2)
Module Diameter, inches (mm)	6 (165)	5 (140)
Capacity		
Nominal Pore Size	0.1 µm	13K or 80K MWCO
Water Flux, gfd (lmh) [MWCO]	259 (440)	57 (97) [13K]
@ 15 psi, 25°C, field trial		100 (170) [80K]
Operating Conditions		
Maximum Operating Temperature °C (°F)	40 (104)	40 (104)
pH Range	1 to 10	2 to 10
Maximum TMP Differential psi (bar)	36 (2.5)	44 (3)
Maximum Inlet Pressure psi (bar)	36 (2.5)	44 (3)
Maximum Chlorine, Cleaning (ppm)	Up to 5000	Up to 1000
Maximum Caustic, Cleaning (N)	1	0.1
Maximum Acid, Cleaning (N)	1	1
Materials		
Membrane	PVDF	PAN
Housing	ABS	PVC
Potting Material	Polyurethane	Epoxy Resin
Gasket	NBR	NBR
Preservative (same for MF and UF)	Glycerin 65% + Ethanol 2% + DI water	

*Microza is a registered trademark of Asahi Kasei Corporation.




2200 Northern Boulevard
East Hills, New York 11548-1289

888.428.5597 toll free
516.801.9906 phone
516.484.3216 fax

Visit us on the Web at www.pall.com/thinkpall

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

Filtration. Separation. Solution.SM

© Copyright 1999, 2006, Pall Corporation. Pall,  are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. *Filtration. Separation. Solution.SM* is a service mark of Pall Corporation.

WP-1d